

**To:** Saari, Christopher A - DNR[Christopher.Saari@wisconsin.gov]  
**From:** Egan, Robert  
**Sent:** Thur 6/16/2016 1:17:30 PM  
**Subject:** RE: Details on wells for Tower Standard

I think if they were installed that week and we could sample them immediately afterward it would be OK.

Kristen told me that USGS wanted all the samples collected at the same time, but I'm not sure what their complete timetable is. I assume that if they start at the beginning of the week then it will take a few days for them to generate the lake bed temp data and then they would decide where to sample. I don't have a contact with USGS to ask about the schedule of activities. In my opinion, it shouldn't matter too much whether the samples are collected on exactly the same day or a week or two apart, especially for the deeper wells, although within a day or two would be optimal of the lake work.

I will ask Kristen for a USGS contact and call for further information if I can.

Bob Egan

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**From:** Saari, Christopher A - DNR [mailto:Christopher.Saari@wisconsin.gov]  
**Sent:** Thursday, June 16, 2016 8:05 AM  
**To:** Egan, Robert <egan.robert@epa.gov>; Dave Larsen <dlarsen@reiengineering.com>  
**Subject:** RE: Details on wells for Tower Standard

Thanks Bob. What was the timeframe that you were looking at? Did the wells need to be installed and developed by the week of July 18 in order to be sampled concurrent with the USGS investigation?

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Chris Saari

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[Christopher.Saari@Wi.gov](mailto:Christopher.Saari@Wi.gov)

**From:** Egan, Robert [<mailto:egan.robert@epa.gov>]

**Sent:** Thursday, June 16, 2016 7:03 AM

**To:** Saari, Christopher A - DNR; Dave Larsen

**Subject:** Details on wells for Tower Standard

Chris and Dave,

Thank you for looking into the possibility of installing the 2 wells next month. My task order has been moving more slowly than I expected and we don't expect to be able to get everything in place and a driller scheduled by the week of July 18, and I realize it may be very difficult for Dave to do the same at this stage.

The two locations are at MW-16 screened just above bedrock, assumed to be a total depth of 60 feet. The other is at the MW-21 location, screened at the 1550 elevation, about 25 feet in depth. I planned for 5 foot screens, no plans for sampling soils. If water is used during drilling, as expected, we would like to have at least an equal amount removed during development. Having the 3 wells at these locations will help USGS in its modeling effort.

I am still assuming we can contract the sampling, especially since LDF would like some additional parameters to compare to the lake bed samples. We can also have the surveying done, and we will recheck the elevations of the well nest location where we noticed the bentonite had swelled over the well cap.

Thanks again. I much appreciate your efforts to schedule this work.

Bob

Bob Egan

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